



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Eco Window Systems, LLC
9114 NW 106 Street
Miami, FL 33178

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "ECO-Guard 50" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. W12-40, titled "ECO-Guard Series-50 Alum S.H. WDW. (L.M.I.)", sheets 01 through 04 of 04, dated 07/18/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
11/14/12

NOA No. 12-0820.08
Expiration Date: November 21, 2017
Approval Date: November 21, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W12-40**, titled "ECO-Guard Series-50 Alum. S.H. WDW. (L.M.I.)", sheets 01 through 04 of 04, dated 07/18/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, Type "A-A" Window, Grade 10, Level LV 1 per ASTM F 588-07 and per FBC 2411 3.2.1, TAS 202-94
 - 7) Standard Test Methods for Deglazing Force of Fenestration Products per ASTM E 987-88 (2009)
 - 8) Standard Test Method for Determination of Operating Force of Sliding Windows and Doors per ASTM E 2068-00 (2008)along with marked-up drawings and installation diagram of a single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6951**, dated 07/02/12, signed and sealed by Marlin D. Brinson, P. E.

C. CALCULATIONS

1. Anchor calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 07/23/12, signed, sealed and dated 11/07/12 by Javad Ahmad, P. E.
2. **Glazing complies with ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 12-0820.08

Expiration Date: November 21, 2017

Approval Date: November 21, 2012

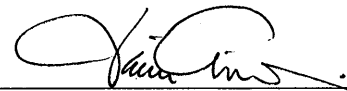
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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, issued by Al-Farooq Corporation, dated 07/16/12, signed and sealed by Javad Ahmad, P. E.
2. Laboratory compliance letter for Test Report No. **FTL-6951**, issued by Fenestration Testing Laboratory, Inc., dated 07/02/12, signed and sealed by Marlin D. Brinson, P. E.
3. Proposal issued by Product Control, dated 04/11/12, signed by Jaime D. Gascon, P. E.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.

Product Control Section Supervisor

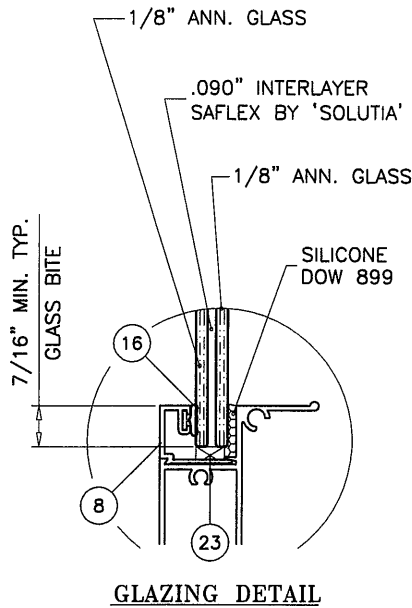
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DESIGN LOAD CAPACITY - PSF			
FLANGE DIMS.		5/16" LAM. GLASS	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
19-1/8"	26"	55.0	60.0
26-1/2"		55.0	60.0
37"		55.0	60.0
44"		55.0	60.0
53-1/8"		55.0	60.0
19-1/8"	38-3/8"	55.0	60.0
26-1/2"		55.0	60.0
37"		55.0	60.0
44"		55.0	60.0
53-1/8"		55.0	60.0
19-1/8"	50-5/8"	55.0	60.0
26-1/2"		55.0	60.0
37"		55.0	60.0
44"		55.0	60.0
53-1/8"		55.0	60.0
19-1/8"	63"	55.0	60.0
26-1/2"		55.0	60.0
37"		55.0	60.0
44"		55.0	60.0
53-1/8"		55.0	60.0
19-1/8"	76"	55.0	60.0
26-1/2"		55.0	60.0
37"		55.0	60.0
44"		55.0	60.0
53-1/8"		55.0	60.0

* NO. IN PARENTHESIS INDICATE NO. OF ANCHORS PER JAMB.



ECO-GUARD SERIES-50 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ABOVE.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

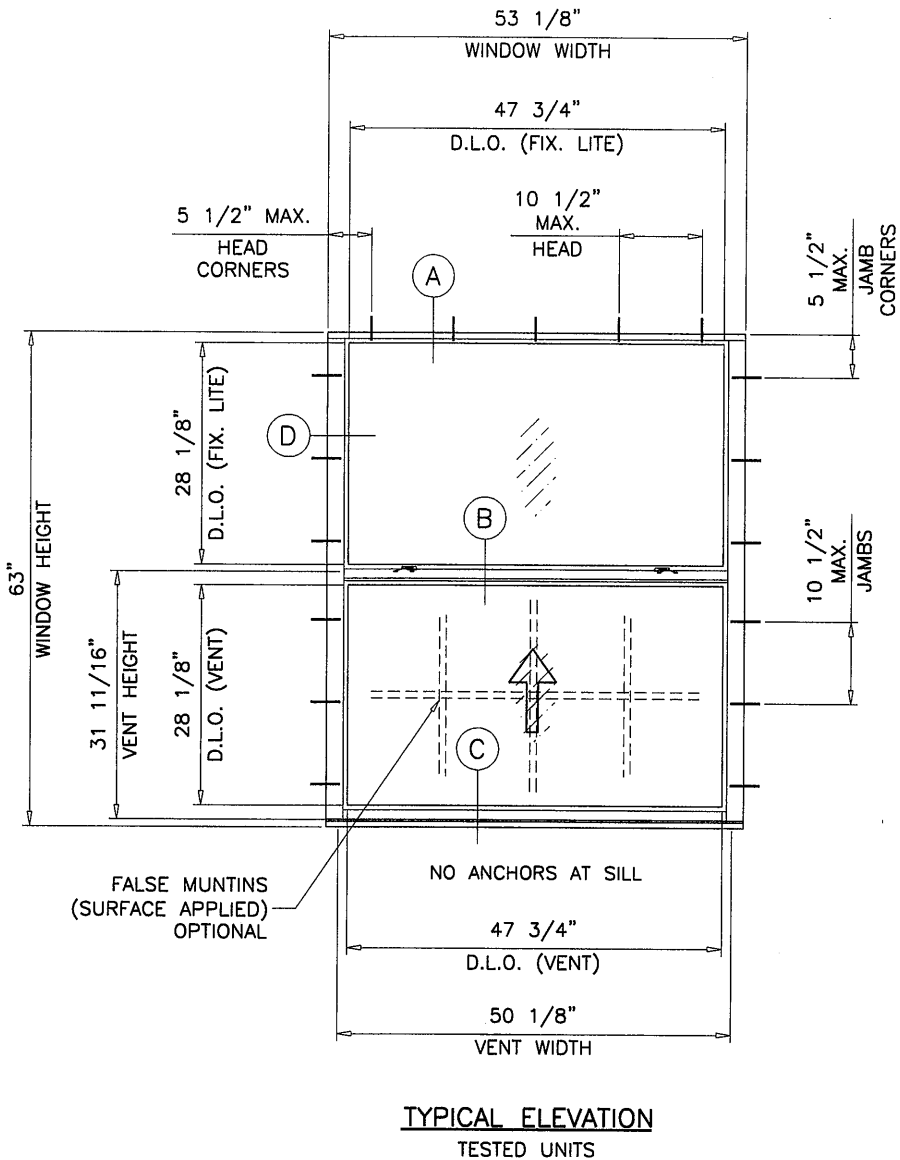
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



Approved as complying with the
Florida Building Code
Date 12-12-2012
NOA# 12-0820.08
Miami Dade Product Control
By [Signature]

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

JUL 23 2012

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ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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ECO-GUARD SERIES-50 ALUM S.H. WDW. (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
9114 N.W. 106 STREET
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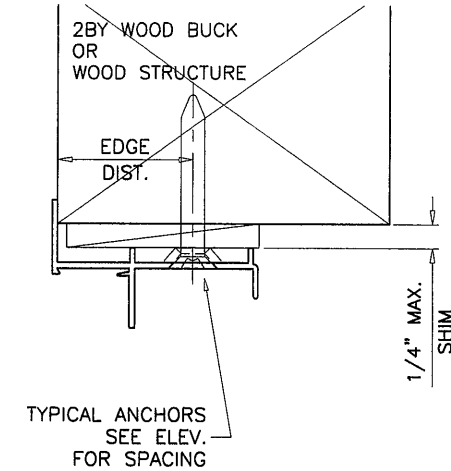
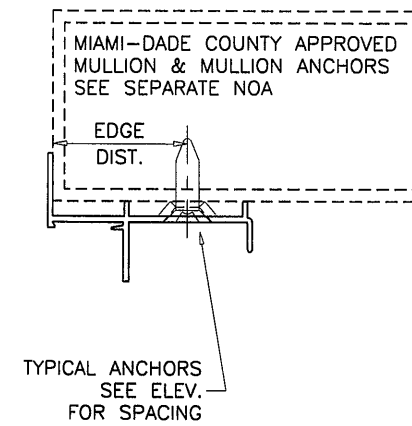
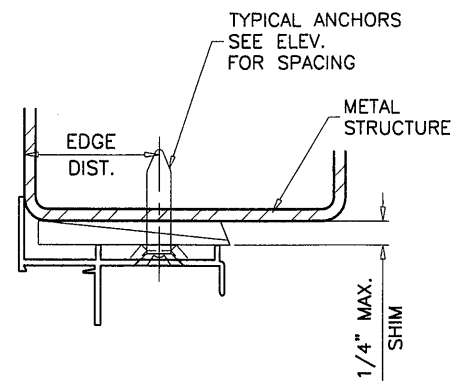
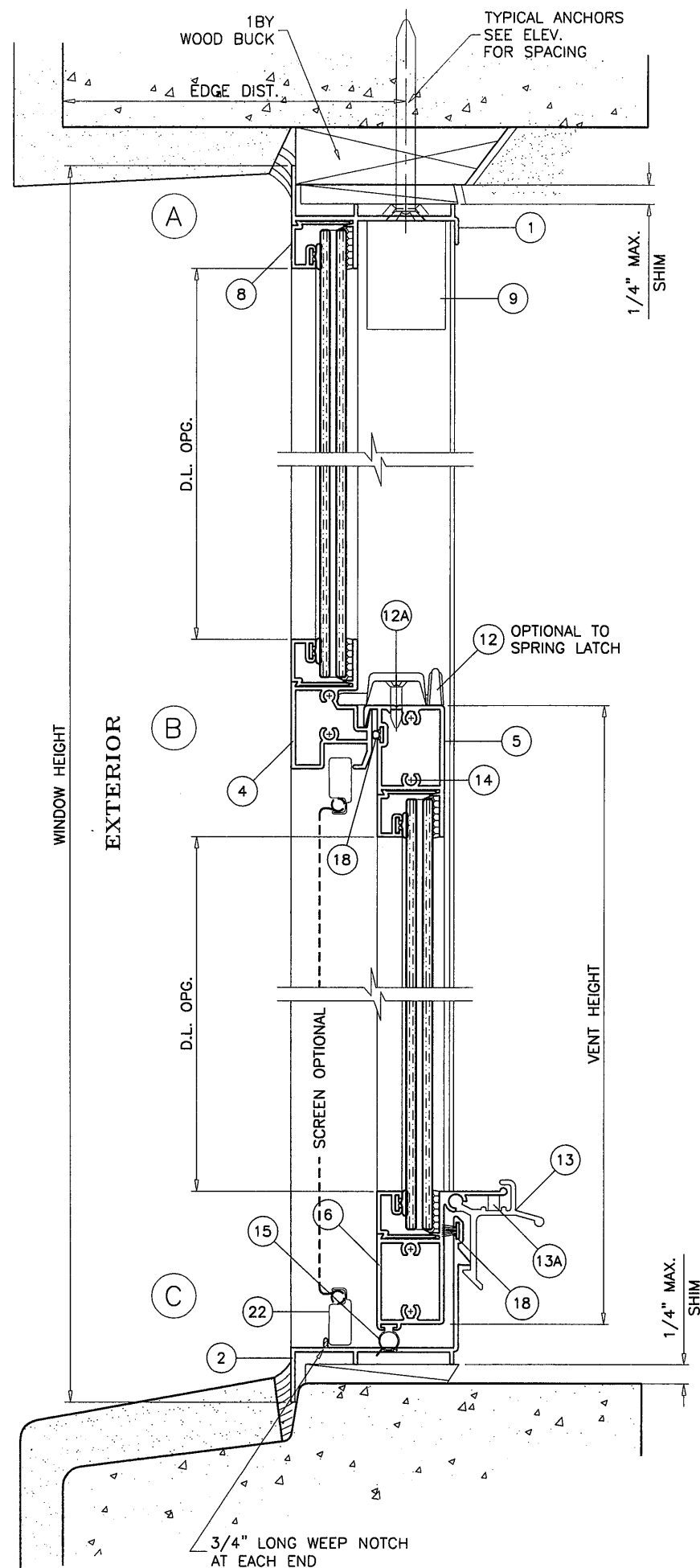
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dr. by: HAMID
chk. by:

drawing no.
W12-40

sheet 1 of 4

COMP-ANL\W12-40ECO



WOOD BUCKS AND METAL STRUCTURE NOT BY ECO WDW.
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Approved as complying with the

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Date

NOA#

Miami Dade Product Control

By

Engr: JAVAD AHMAD

CIVIL

FLA. PE # 70592

C.A.N. 3538

JUL 23 2012

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
JOINT SEALER.

af c

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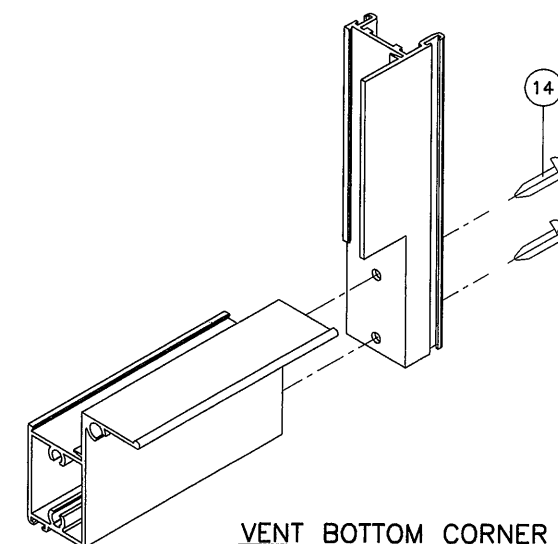
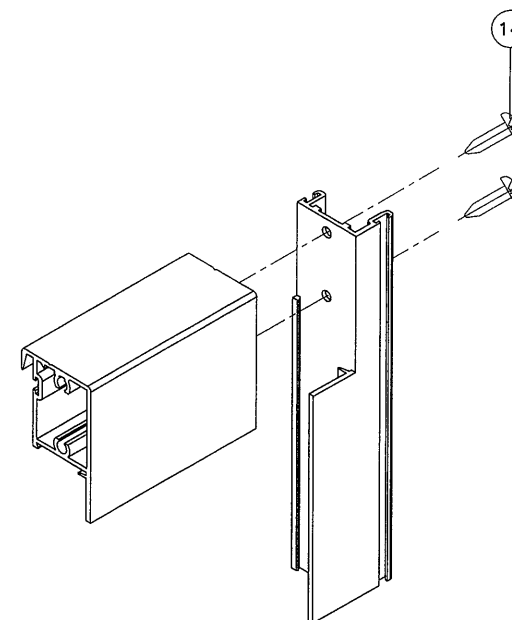
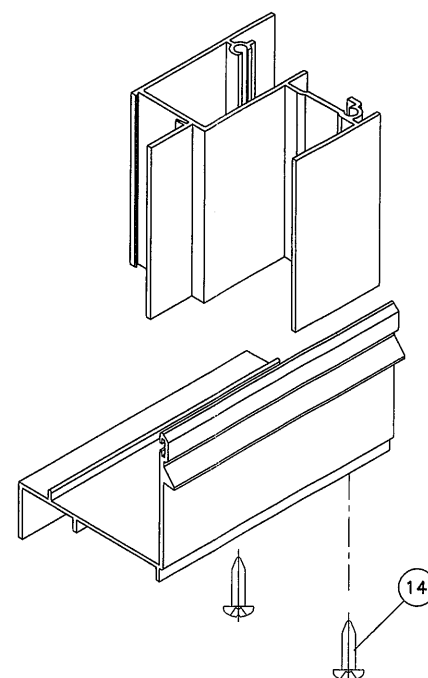
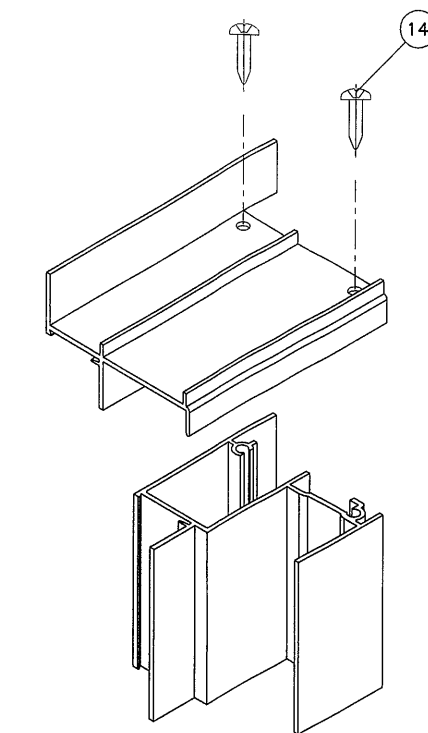
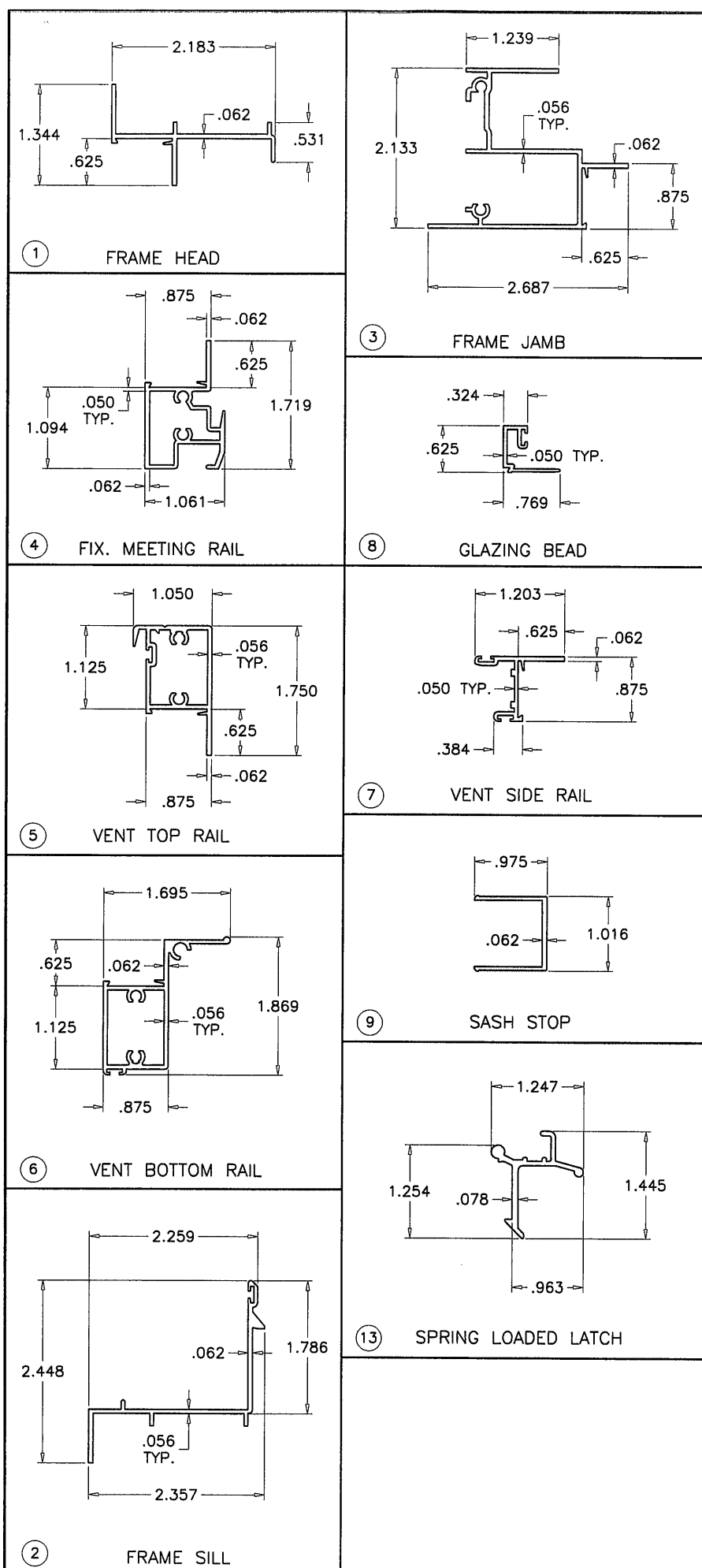
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chk. by:

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W12-40

sheet 2 of 4



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Date 12/11/12
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Miami Dade Product Control
By [Signature]

Engr: JAVAD AHMAD
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